Missouri Department of Natural Resources



PUBLIC NOTICE

DRAFT MISSOURI STATE OPERATING PERMIT

DATE: September 10, 2004

In accordance with the state Clean Water Law, Chapter 644, RSMo, Clean Water Commission regulation 10 CSR 20-6.010, and the federal Clean Water Act, the applicants listed herein have applied for authorization to either discharge to waters of the state or to operate a no-discharge wastewater treatment facility. The proposed permits for these operations are consistent with applicable water quality standards, effluent standards and/or treatment requirements or suitable timetables to meet these requirements (see 10 CSR 20-7.015 and 7.031). All permits will be issued for a period of five years, unless noted otherwise in the Public Notice for that discharge.

On the basis of preliminary staff review and the application of applicable standards and regulations, the Missouri Department of Natural Resources (MDNR), as administrative agent for the Missouri Clean Water Commission, proposes to issue a permit(s) subject to certain effluent limitations, schedules, and special conditions. The proposed determinations are tentative pending public comment.

Persons wishing to comment on the proposed permit conditions are invited to submit them in writing to the Department of Natural Resources, Water Protection Program, P.O. Box 176, Jefferson City, Missouri 65102, ATTN: Peter Goode, Professional Engineer. Please include the permit number in all comment letters.

Comments should be confined to the issues relating to the proposed action and permit(s) and the effect on water quality. The MDNR may not consider as relevant comments or objections to a permit based on issues outside the authority of the Clean Water Commission, (see $\underline{\text{Curdt v. Mo. Clean Water Commission}}$, 586 S.W.2d 58 Mo. App. 1979).

All comments must be postmarked by October 10, 2004 or received in our office by 5:00 p.m. on October 13, 2004. The requirement of a signed document makes it impossible to accept email comments for consideration at this time. Comments will be considered in the formulation of all final determinations regarding the applications. If response to this notice indicates significant public interest, a public meeting or hearing may be held after due notice for the purpose of receiving public comment on the proposed permit or determination. Public hearings and/or issuance of the permit will be conducted or processed according to 10 CSR 20-6.020.

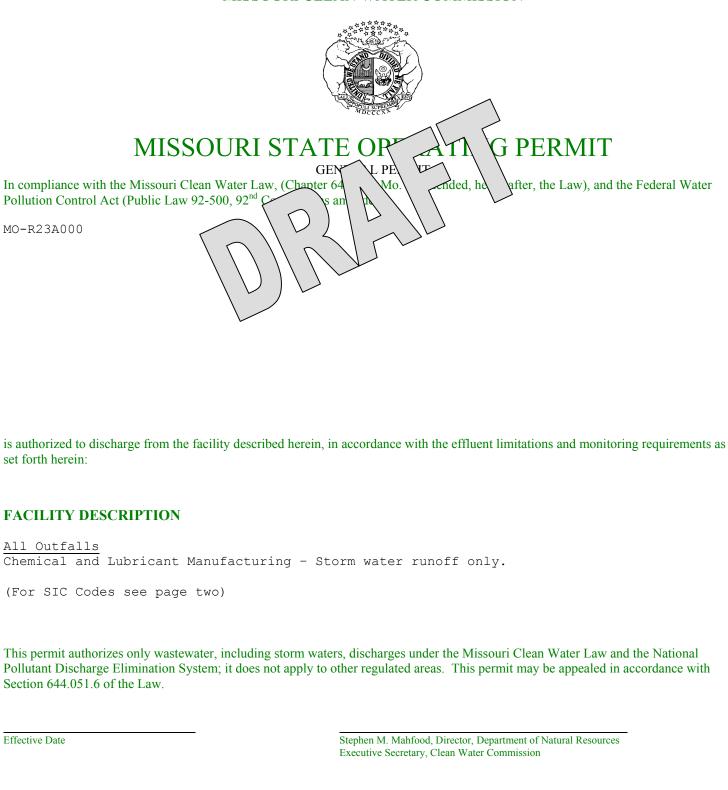
Copies of all draft permits and other information including copies of applicable regulations are available for inspection and copying at DNR's website, http://www.dnr.mo.gov/wpscd/wpcp/homewpcp.htm, or at the Department of Natural Resources, Water Protection Program, 205 Jefferson Street, P.O. Box 176, Jefferson City, Missouri 65102, between the hours of 8:00 a.m. and 5:00 p.m., Monday through Friday.

Public Notice Date: September 10, 2004 Permit Number: MO-R23A000 General Permit		
FACILITY NAME AND ADDRESS	NAME AND ADDRESS OF OWNER	
Various throughout the state.	Various throughout the state.	
RECEIVING STREAM & LEGAL DESCRIPTION	TYPE OF DISCHARGE	
Various throughout the state.	Industrial, chemical and lubricant manufacturing (storm water runoff only)	

STATE OF MISSOURI

DEPARTMENT OF NATURAL RESOURCES

MISSOURI CLEAN WATER COMMISSION



Jim Hull, Director of Staff, Clean Water Commission

Expiration Date

MO 780-1481 (7-94)

APPLICABILITY

- 1. This permit authorizes the discharge of storm water runoff from chemical and lubricant manufacturing facilities and storage operations to waters of the state of Missouri, including, but not limited to, establishments with a primary Standard Industrial Classification Code (SIC) of 28xx, except 282x (certain plastics and rubbers) and 287x (agrichemical facilities)) and 2992. These activities are covered under a different general permit.
- 2. This permit **does not apply** to storm water discharge
 - (a) Within 1,000 feet of streams identified a los \ stream*,
 - (b) Within 1,000 feet of streams or less tedas a utstanding national or state resource water*,
 - (c) Within 1,000 feet of reserved les ed for plic drinking water supplies (class L1)*,
 - (d) Within 1,000 feet st ms lake the voirs identified as critical habitat for endangered
 - (e) Within 500 feet \ in \ m \ e \ \ \ \ ms (class C) or wetlands*,
 - (f) Within 100 feet \ \ \ \ \ \ \ ream (class P)* or major reservoir (class L2)*,
 - (g) Within two stream \ \ps \ eam of biocriteria reference locations*, or
 - (h) Where discharge is sinkhole or other direct conduit to groundwater.
 - * Identified or described in 10 CSR 20, Chapter 7. These regulations are available at many libraries and may be purchased from MDNR by calling the Water Protection Program.
- 3. If at any time the Missouri Department of Natural Resources determines that the quality of waters of the state may be better protected by requiring the owner/operator of the permitted site to apply for a site specific permit, the department may do so.
- 4. This permit only pertains to discharges of storm water.
- 5. If at any time the permittee should desire to apply for an individual State Operating Permit, the owner may do so. Holders of current individual State Operating permits who desire to apply for inclusion under this general permit should contact the department for application requirements.

EXEMPTIONS

Facilities that discharge storm water runoff directly to a combined sewer system are exempt from storm water permit requirements.

REQUIREMENTS

1. Water Quality Standards

- (a) Discharges to waters of the state shall not cause a violation of water quality standards rule under 10 CSR 20-7.031, including both specific and general criteria.
- (b) General Criteria. The following general water quality criteria shall be applicable to all waters of the state at all times including mixing zones. No water contaminant, by itself or in combination with other substances, shall prevent the waters of the state from meeting the following conditions:
 - (1) Waters shall be free from substances in sufficient amounts to cause the formation of putrescent, unsightly or harmful bottom deposits or prevent full maintenance of beneficial uses;
 - (2) Waters shall be free from oil, scum and floating debris in sufficient amounts to be unsightly or prevent full maintenance of beneficial uses;
 - (3) Waters shall be free from substances in sufficient amounts to cause unsightly color or turbidity, offensive odor or prevent full maintenance of beneficial uses;
 - (4) Waters shall be free from substances or conditions in sufficient amounts to result in toxicity to human, animal or aquatic life;
 - (5) There shall be no significant human health hazard from incidental contact with the water;

REQUIREMENTS (continued)

- (6) There shall be no acute toxicity to livestock or wildlife watering;
- (7) Waters shall be free from physical, chemical or hydrologic changes that would impair the natural biological community;
- (8) Waters shall be free from used tires, car bodies, appliances, demolition debris, used vehicles or equipment and solid waste as defined in Missouri's Solid Waste Law, section 260.200, RSMo, except as the use of such materials is specifically permitted pursuant to section 260.200-260.247.
- 2. All paint, solvents, petroleum products and petroleum waste products (except fuels), and storage containers (such as drums, cans, or cartons) shall be stored so that these materials are not exposed to storm water. Sufficient practices of spill prevention, control, and/or management shall be provided to prevent y spills of these pollutants from entering a water of the state. Any containment in used to implement this requirement shall be constructed of materials contained and shall also prevent the contamination of water
- 3. Collection facilities shall be provided sit arra ement made for proper disposal of waste products, included by the description of the descripti
- 4. Good housekeeping praction and the site to keep solid waste from entry into waters of to start the site to keep solid waste from the site t
- 5. All fueling facilities p er by estite shall adhere to applicable federal and state regulations concerning un und storage, above ground storage, and dispensers, including spill prevention control and counter measures.
- 6. Substances regulated by federal law under the Resource Conservation and Recovery Act (RCRA) or the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) that are transported, stored, or used for maintenance, cleaning or repair shall be managed according to the provisions of RCRA and CERCLA.
- 7. An individual shall be designated by the permittee as responsible for environmental matters. Staff of the permitted facility shall inspect, on workdays, any structures that function to prevent pollution of storm water or to remove pollutants from storm water and of the facility in general to ensure that any Best Management Practices are continually implemented and effective.
- 8. All involved personnel shall be trained in material handling and storage, and housekeeping of maintenance areas. Upon request, proof of training shall be submitted to the Department.
- 9. A storm water pollution prevention plan shall be developed within 60 days of receipt of this permit and implemented within 180 days of receipt of this permit. The plan will be developed in accordance with the EPA guidance manual "Storm Water Management for Industrial Activities" (EPA 832_R-92006, 9/92). The permittee must submit the plan within 10 days of the receipt of a written request by the Department and the plan shall be available during site inspections. The plan does not need to be submitted to the Water Protection Program for approval.
- 10. Report as no-discharge when a discharge does not occur during the reporting period.
- 11. All outfalls must be clearly marked in the field.

A. EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

PAGE NUMBER 4 of 5

PERMIT NUMBER MO-R23A000

The permittee is authorized to discharge from outfall(s) with serial number(s) as specified in the application for this permit. The final effluent limitations shall become effective upon issuance and remain in effect until expiration of the permit. Such discharges shall be controlled, limited and monitored by the permittee as specified below:

		FINAL EFFLUENT LIMITATIONS		MONITORING REQUIREMENTS		
OUTFALL NUMBER AND EFFLUENT PARAMETER(S)	UNITS	DAILY MAXIMUM	WEEKLY AVERAGE	MONTHLY AVERAGE	MEASUREMENT FREQUENCY	SAMPLE TYPE
All Outfalls						
Flow	MGD	*		*	once/quarter**	24 hr. estimate
Oil and Grease	mg/L	15.0		10.0	once/quarter**	grab
Chemical Oxygen Demand	mg/L	P0 /		90	once/quarter**	grab
Chemicals currently stored outside or in the last 3 years (See Sampling Requirements)				*	2/five year****	grab
pH - Units) Sul	***		***	once/quarter**	grab
Total Suspended Solids	mg/L	70		70	once/quarter**	grab
Color***		*		*	once/quarter**	grab
Bulk Materials (See Sampling Requirements)	μg/L	*		*	2/five year****	grab

MONITORING REPORTS SHALL BE SUBMITTED QUARTERLY; THE FIRST REPORT IS DUE _____.

THERE SHALL BE NO DISCHARGE OF FLOATING SOLIDS OR VISIBLE FOAM IN OTHER THAN TRACE AMOUNTS.

B. STANDARD CONDITIONS

IN ADDITION TO SPECIFIED CONDITIONS STATED HEREIN, THIS PERMIT IS SUBJECT TO THE ATTACHED Part I STANDARD CONDITIONS DATED October 1, 1980, AND HEREBY INCORPORATED AS THOUGH FULLY SET FORTH HEREIN.

MO 780-0010 (8/91)

A. EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS (continued)

- * Monitoring requirement only.
- ** Permittee shall collect and analyze four samples per year, taken during a rainfall which exceeds 0.1 inches and results in a discharge, and also at any time at the request of the department. Samples to be taken during the quarters beginning with the months of January, April, July, and October. Samples results must be submitted to the department within 28 days of the last day of the quarter. For example, sample results for the first quarter (January-March) must be submitted by April 28th.
- *** pH is measured in pH units and is not to be averaged. The pH is limited to the range of 6.0-9.0 pH units.
- **** Description of the visual appearance of the effluent. For example: clear, green, black, etc.
- ***** Samples taken during the first quarter, shall be analyzed for these chemicals/materials in the first year and fourth year of permit.

SAMPLING REQUIREMENTS

- 1. The permittee shall collect and analyze two representative samples taken during a rainfall event, which exceeds 0.1 inches and results in a discharge. The first sample shall be taken within twelve (12) months after permit is issued to the permittee and the second sample shall be taken by the permittee during the fourth year of the permit. The samples shall be analyzed for chemicals listed in 40 CFR 122 Appendix D (see Attachment 1) which are currently or have been stored or disposed of outside in the last three years in open or unsecured containers, loaded or unloaded, or treated and exposed to storm water. A secure container shall be deemed to be a container with a lid which has never been opened since it was originally sealed.
- 2. Other soluble bulk materials that are not list CFR 122 Appendix D (see Attachment 1) that are stored outside and torm water must also be monitored. If permittee has questions con ning wh parameters to sample and test for, contact the Water Protection P
- 3. Exempted from monitoring rent a ir and aluminum, when stored outside in the form of solid pieces of st a all rent a gases.
- 4. If gasoline, diese properties are stored outside in above ground containers or were properties the properties of the properties are stored outside in above ground benzene, toluene, et per properties are stored outside in above ground containers or were properties are stored outside in above ground containers or were properties are stored outside in above ground containers or were properties are stored outside in above ground containers or were properties are stored outside in above ground containers or were properties are stored outside in above ground containers or were properties are stored outside in above ground containers or were properties are stored outside in above ground containers or were properties are stored outside in above ground containers or were properties are stored outside in above ground containers or were properties are stored outside in above ground containers or were properties are stored outside in above ground containers or were properties are stored outside in above ground containers or were properties are stored outside in above ground containers are stored outside in above ground containers.

TERMINATION OF PERMIT

This permit may be terminated when activities covered by this permit have ceased and no significant materials are stored in such a way as to come into contact with storm water, or if a transfer of ownership of the facility and its activities has been made. If such a termination is sought, the permittee shall submit Form H, Termination of a General Permit.

DUTY OF COMPLIANCE

The permittee shall comply with all conditions of this general permit. Any noncompliance with this general permit constitutes a violation of Chapter 644, Missouri Clean Water Law, and 10 CSR 20-6.200. Noncompliance may result in enforcement action, termination of this authorization, or denial of the permittee's request for renewal.

PERMIT TRANSFER

This permit may be transferred to a new owner by submitting an "Application for Transfer of Operating Permit" signed by the seller and buyer of the facility, along with the appropriate modification fee.

RECORDS RETENTION AND REPORTING

All sampling data shall be maintained by the permittee for a period of five (5) years and shall be supplied to the Department of Natural Resources upon written request (supersedes Part I. Section A: 7. Records Retention). A copy of all of the sampling data must be submitted with an application for reissuance of this permit.

PERMIT RENEWAL REQUIREMENTS

Unless this permit is terminated, the permittee shall submit an application for the renewal of this permit no later than six (6) months prior to the permit's expiration date.

ATTACHMENT 1

Appendix D, To Part 122 - NPDES Permit Application Testing Requirements (122.21)

Table II - Organic Toxic Pollutants In Each Of Four Fractions In Analysis By Gas Chromatography/Mass Spectroscopy (GS/MS).

	Volatiles	Base/Neutral
1 2 3 5 6 7 8 9 10 11 12 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 31 ———————————————————————————————————	Vacrolein Vacrylonitrile Vbenzene Vbromoform Vcarbon tetrechloride Vchlorobenzene Vchlorodibromomethane Vchloroethane V2-chloroethylvinyl ether Vchloroform Vdichlorobromomethane V1,1-dichloroethane V1,2-dichloroethane V1,2-dichloropropan V1,3-dichloropropan V1,3-dichloropropyle Vethylbenzene Vmethyl bromide Vmethyl chloride Vmethylene chloride V1,1,2,2-tetrachloroethane Vtetrachloroethylene Vtoluene V1,2-trans-dichloroethylene V1,1,1-trichloroethane V1,1,2-trichloroethane V1,1,2-trichloroethane V1,1,2-trichloroethylene Vinyl chloride 2-chlorophenol 2,4-dichlorophenol 2,4-dimethylphenol 4,6-dinitro-o-cresol 2,4 dinitrophenol 2-nitrophenol 4-nitrophenol p-chloro-m-cresol pentachlorophenol	Base/Neutral 1B acenaphthene 2B acenaphthylene 3B anthracene 4B benzidine 5B benz lanthracene 6B pyrene 1zofluoranthene benz (luoranthene benzidine sis(2-chloroisopropyl)ether bis(2-chloroisopropyl)ether bis(2-chloroisopropyl)ether bis(2-chloronaphthalate 4-bromophenyl phenyl ether 15B butylbenzyl phthalate 16B 2-chloronaphthalene 17B 4-chlorophenyl phenyl ehter 18B chrysene 19B dibenzo(a,h)anthracene 20B 1,2-dichlorobenzene 21B 1,3-dichlorobenzene 22B 1,4-dichlorobenzene 23B 3,3'-dichlorobenzidine 24B diethyl phthalate 25B dimethyl phthalate 25B dimethyl phthalate 26B di-n-butyl phthalate 27B 2,4-dinitrotoluene 28B 2,6-dinitrotoluene 29B di-n-octyl phthalate 31B fluroranthene 32B fluorene 33B hexachlorobenzene 34B hexachlorobutadiene 35B hexachlorocyclopentadiene 36B hexachlorocyclopentadiene 36B hexachlorocyclopentadiene 36B hexachlorocyclopentadiene 36B hexachlorocyclopentadiene 36B indeno(1,2,3-cd)pyrene 38B isophorone 39B napthalene nitrobenzene
	4-nitrophenol	38B isophorone
9A 10A	phenol	41B N-nitrosodimethylamine
11A	2,4,6-trichlorophenol	42B N-nitrosodi-n-propylamine
ПA	2,4,0-tricinorophenor	1 17
		44B phenanthrene
		45B pyrene
		46B 1,2,4-trichlorobenzene

(continued on next page)

ATTACHMENT 1 (continued)

		Table IV Conventional and I voicemventional
	Pesticides	Pollutants Required to be Tested by Existing
		Dischargers if Expected to be Present
1	Paldrin	•
2	Palpha-BHC	
3	Pbeta-BHC	Bromide
4	Pgamma-BHC	Chlorine, Total Residual
5	Pdelta-BHC	Color
6	Pchlordane	Fecal Coliform
7	P4,4'-DDT	Fluoride
8	P4,4'-DDE	Nitrate-Nitrite
9	P4,4'-DDD	Nitrogen, Total Organic
10	Pdieldrin	Oil and Grease
11	Palpha-endosulfan	Phosphorus, Total
12	Pbeta-endosulfan	Radioactivi
13	Pendosulfan sulfate	Sulf
14	Pendrin	
15	Pendrin aldehyde	te \
16	Pheptachlor	
17	Pheptachlor epoxide	All (um, Total)
18	PPCB-1242	(\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
19	PPCB-1254	on tal
20	PPCB-1221	Coalt, Total
21	PPCB-1232	Iron, Total
22	PPCB-1248	Magnesium, Total
23	PPCB-1260	Molybdenum, Total
24	PPCB-1016	Manganese, Total
25	Ptoxaphene	Tin, Total
		Titanium, Total

<u>Table III – Other Toxic Pollutants</u> (Metals and Cyanide) and Total Phenols <u>Table V – Toxic Pollutants and Hazardous</u>
<u>Substances Requierd to be Identifed by Existing</u>
<u>Dischargers if Expected to be Present</u>

Table IV – Conventional and Nonconventional

Antimony, Total Arsenic, Total Beryllium, Total Cadmium, Total Chromium, Total Copper, Total Lead, Total Mercury, Total Nickel, Total Selenium, Total Silver, Total Thallium, Total

Zinc, Total

Cyanide, Total

Phenols, Total

Toxic Pollutants

Asbestos

Hazardous Substances

Acetaldehyde
Allyl alcohol
Allyl chloride
Amyl acetate
Aniline
Benzonitrile
Benzyl chloride
Butyl acetate
Butylamine
Captan
Carbaryl
Carbofuran

(continued on next page)

ATTACHMENT 1 (continued)

Table V (continued)

Carbon disulfide

Chlorpyrifos

Coumaphos

Cresol Strontium

Crotonaldehyde

Cyclohexane

2,4-D(2,4-Dichlorophenoxy acetic acid)

Diazinon

Dicamba

Dichlobenil

Dichlone

2,2-Dichloropropionic acid

Dichlorvos

Diethyl amine

Dimethyl amine

Dintrobenzene

Diquat Vinyl acetate

Disulfoton

Diuron Xylenol

Epichlorohydrin

Ethion

Ethylene diamine

Ethylene dibromide

Formaldehyde

Furfural

Guthion

Isoprene

Isopropanolamine Dodecylbenzenesulfonate

Kelthane

Kepone

Malathion

Mercaptodimethur

Methoxychlor

Methyl mercaptan

Methyl methacrylate

Methyl parathion

Mevinphos

Mexacarbate

Monoethyl amine

Monomethyl amine

Naled

Napthenic acid

Nitrotoluene

Parathion

Phenolsulfanate

Phosgene

Propargite

Propylene oxide

<u>Hazardous Substances</u> (continued)

Pyrethrins

Ouinoline

Resorcinol

Strychnine

Styrene

2,4,5-T(2,4,5-Trichlorophenoxy acetic acid)

TDE(Tetrachlorodiphenylethane)

2,4,5-TP [2-(2,4,5-Trichlorophenoxy)

propanoic acid]

Trichlorofan

Triethanolamin decylbenzenesulfonate

Triethylam





FACT SHEET

General Permit

CHEMICAL AND LUBRICANT MANUFACTURING AND STORAGE

NPDES No. MO-R23A000

This permit applies to, but is not limited to, the following SIC codes:

28xx (chemicals and allied products), except 282x (plastics and rubber), and 287x (agricultural chemicals) and 2992 (lubricating oils and greases). Those SIC codes are covered under different general permits.

The Federal Water Pollution Control Act ("Clean Water Act" Section 402 Public Law 92-500 as amended) established the National Pollutant Discharge Elimination System (NPDES) permit program. This program regulates the discharge of pollutants from point sources into the waters of the United States, and the release of storm water from certain point sources. All such discharges are unlawful without a permit (Section 301 of the "Clean Water Act"). After a permit is obtained, a discharge not in compliance with all permit terms and conditions is unlawful. Permits in Missouri are issued by the Director of the Department of Natural Resources under an approved program, operating in accordance with federal and state laws (Federal "Clean Water Act" and "Missouri Clean Water Law" Section 644 as amended).

State programs have the authority to issue general permits to sources of discharge if the Director feels that the discharge is appropriately controlled by a general permit. Storm water discharged from operations having the SIC codes listed above or similar operations are a point source, and consequently is subject to permit requirements. Because the discharges authorized by this permit covers facilities which involve the same or substantially similar types of operations; discharge the same types of wastes; require the same operating conditions or require the same monitoring; the Department has determined that under the requirements for General Permits, the discharges authorized by this permit are eligible for a general permit.

This proposed permit will allow the discharge of storm water into waters of the state. The treatment systems will vary from site to site dependent upon waste characteristics, concentration and receiving stream standards.

The proposed general permit does not authorize discharge from sites where activities other than the activities listed on page 1 of the fact sheet take place. It also does not authorize discharges of water other than storm water.

10 CSR 20-7.031 Missouri Water Quality Standards, Missouri Department of Natural Resources (the Department) "defines the Clean Water Commission water quality objectives in terms of water uses to be maintained and the criteria to protect those uses." The receiving stream's beneficial water uses to be maintained have been assumed to be: livestock watering, wildlife watering, and protection of aquatic life

To protect these beneficial uses and the water quality of the receiving stream, both effluent limitations are being established under federal and state laws and Best Management Practices (BMP) are required.

A copy of the public notice and this fact sheet are being forwarded to the District Engineer of the U.S. Army Corps of Engineers, the U.S. Fish and Wildlife Service, the Environmental Protection Agency and the Missouri Department of Conservation. Other interested individuals may obtain a copy on request by writing to the address listed below for comment letters.

This permit will expire five (5) years from the date of issuance.

The proposed determinations of the draft permit are tentative pending the public notice process. Persons wishing to comment upon or object to the proposed determinations are invited to submit them in writing to: Department of Natural Resources, Water Protection Program, (Missouri Clean Water Commission), P.O. Box 176, Jefferson City, Missouri 65102, ATTN: Peter Goode, Chief of NPDES Permits and Engineering Section. Please include the number of the draft permit in all comment letters. If response to the public notice indicates significant public interest, a public hearing may be held after due notice. Public hearing and/or issuance of the NPDES permit will be processed according to 10 CSR 20-6.020.

Copies of all draft permits, comments and other information are available for inspection and copying at the Department of Natural Resources, Water Protection Program, (Missouri Clean Water Commission), P.O. Box 176, 205 Jefferson Street, Jefferson City, Missouri 65102.